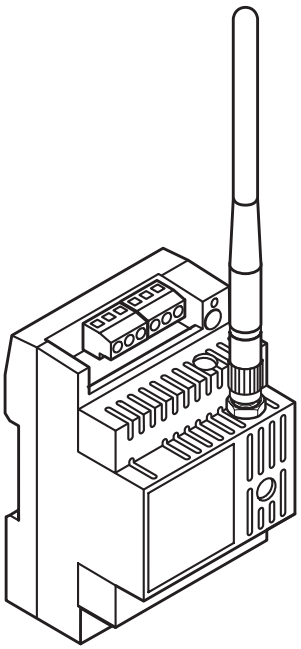
GSM Dialler
OH/GSM



Installer and User manual

24854401 - 03/09

Use and Applications

OH/GSM telephone dialler is a device connected to the BPT bus line through a Hoasis+ home automation system, which remotely allows only via SMS to:

- Activate scenarios (up to 16)
- Query and modify the status and temperature of the thermal zones (up to 20)
- Be advised in the event of technical alarms in the home automation system (up to 6)
- Be advised in case of damage (outage) and reset of home electrical power
- Carry out a system check every 12/24 hours
- The device is also equipped with a normally open relay contact which can be used to activate TH Bpt heat regulators designed for remote control or any other device set up for this purpose, controlled through the opening or closing of a contact.

The device must be programmed through the programming software.

⚠ Important!

- The updated version of the programming software can be downloaded from the website: **www.bpt.it** section "Download " > "Software".
  The download password is **OHSW2K7GSM**

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Safety Warnings

⚠ ATTENTION

- After removing the packaging, check the condition of the unit.
- The packaging items (plastic bags, expanded polystyrene, etc.) must not be handled by children as they may be dangerous.
- Carefully read the instructions before starting installation. Perform work as specified by the manufacturer.
- Before connecting the equipment, make sure that the rating plate data corresponds to that of the distribution network.
- An omnipolar switch, with contacts separated by at least 3mm, must be installed upstream on the equipment, on the electric system of the building.
- The manufacturer declines all liability for any damage as a result of improper, incorrect or unreasonable use.
- Before performing any cleaning or maintenance operation, disconnect the equipment from the power supply network by opening the system switch.
- In case of failure and/or malfunction of the device, detach it from the power supply and do not tamper with it.
- Use original spare parts.
- Installation, programming, commissioning and maintenance of the product must only be performed by qualified technicians who have been properly trained in compliance with current standards including compliance with accident prevention.
- Operate in sufficiently lighted areas that are conducive to health and use tools, utensils and equipment that are in good working order.
- Upon completion of installation, always check for correct operation of the unit and the system as a whole.
- Do not install the device outdoors or in areas where it is exposed to seepage or splashes of water.
- Handle the device with care. It contains electronic parts that are fragile and sensitive to humidity.
- The electronic cards can be seriously damaged by discharges of static electricity. If they are to be handled, wear suitable clothing and anti-static footwear, or at least, ensure static electricity has been discharged by touching with the fingertip a metallic surface connected to the earth system (e.g. the chassis of a household appliance).
- Weld the joints between wires to prevent false alarms caused by oxidation of the wires.
- The electrical system must comply with current standards in the country of installation.
- Failure to comply with the above instructions may compromise the unit's safety.
- The installer must make sure that the information for the user, where applicable, is present on the devices.
- Dispose of the unit in accordance with current standards.

Installer instructions

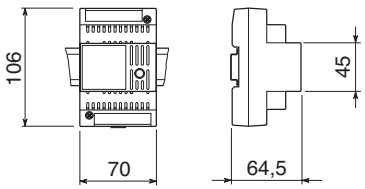
General technical characteristics

The OH/GSM dialler is contained inside a DIN70 module and is powered by a DIN35 transformer. The components can be attached to the spaces provided inside any electrical box equipped with DIN rail.

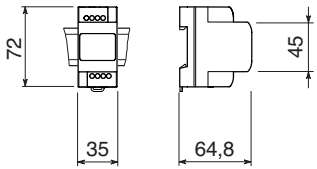
Contents of package

GSM Module - Transformer - Instruction booklet - DIN Rail - Antenna

Dialler on DIN 70 module



Transformer on DIN 35 module

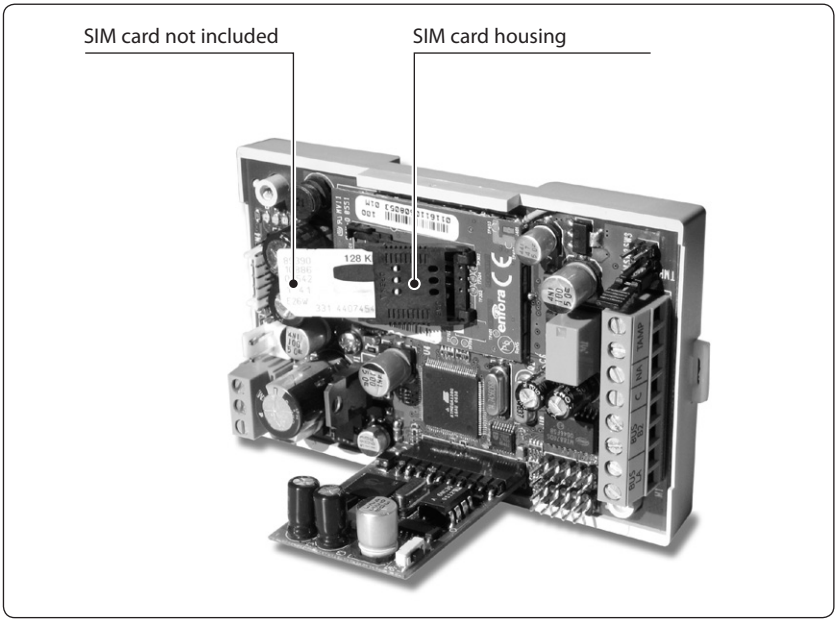


Dialler technical specifications	
Weight	160 grams
Container material	PPOX (Polypropylene oxide)
Degree of protection	IP 30
Power supply	15 V AC or from the 12 V DC supply line
Standby consumption	310 mA with 15 V AC –– 110 mA with 12 V DC
Communication consumption	360 mA with 15 V AC –– 180 mA with 12 V DC
GSM module type	Modem GSM/GPRS Dual Band 900/1800 MHz
Operating temperature	from +0 °C to +40 °C
Storage temperature	-10 °C to +60 °C
Relative Humidity	< 90% without condensation

Transformer technical specifications 230VA - 15Vac	
Weight	340 grams
Container material	encapsulated in epoxy resin
Degree of protection	IP 00
Power supply	230 Vac - 50Hz
Secondary	15 V AC - 10 V A - 50 Hz

SIM Card assembly

In order to operate, the device must be equipped with a SIM card, **not included in the package**,to be inserted in the appropriate housing.
To do this, unscrew the two fastening screws and remove the dialler cover. Do this making sure that you do pull out the antenna wire.



⚠ ATTENTION !

- If the SIM card is new, prior to inserting it into the dialler, make a call by inserting it into a mobile phone thus allowing the mobile telephone operator to register the card.
- The device requires that the SIM cards are activated only vocally and by SMS (**No SIM Data!**)
- Before carrying out the programming operation, **deactivate the SIM card PIN code**.

⚠ ATTENTION !

The electronic cards can be seriously damaged by discharges of static electricity. If they are to be handled, wear suitable clothing and anti-static footwear, or at least, ensure static electricity has been discharged by touching with the fingertip a metallic surface connected to the earth system (e.g. the chassis of a household appliance).

Positioning of the device

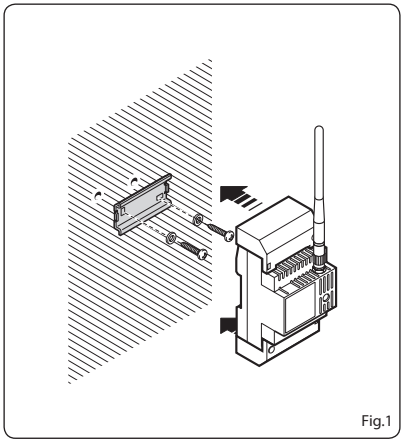


Fig.1

Assembly of the antenna.
On the shell of the module, there is a seat for the insertion of the antenna included in the package.
If the module is installed inside a DIN box, move the seat of the antenna into the appropriate additional hole on the shell, thus allowing its correct closure.

Module assembly on DIN rail.
The module can be wall-mounted, with or without terminal covers, using the DIN rail provided as shown in figure 1.

Alternatevely it can be installed, with or without terminal covers, in metal containers equipped with DIN rail (EN 50022).

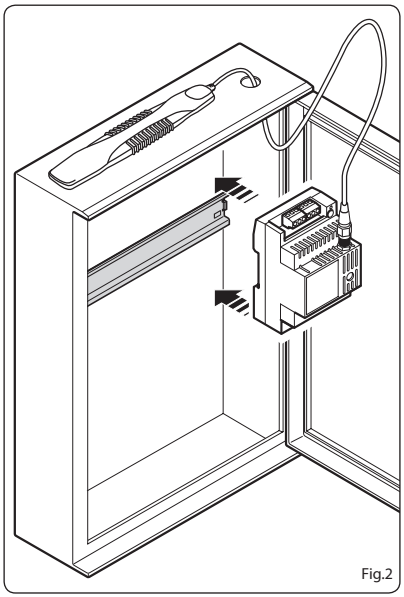
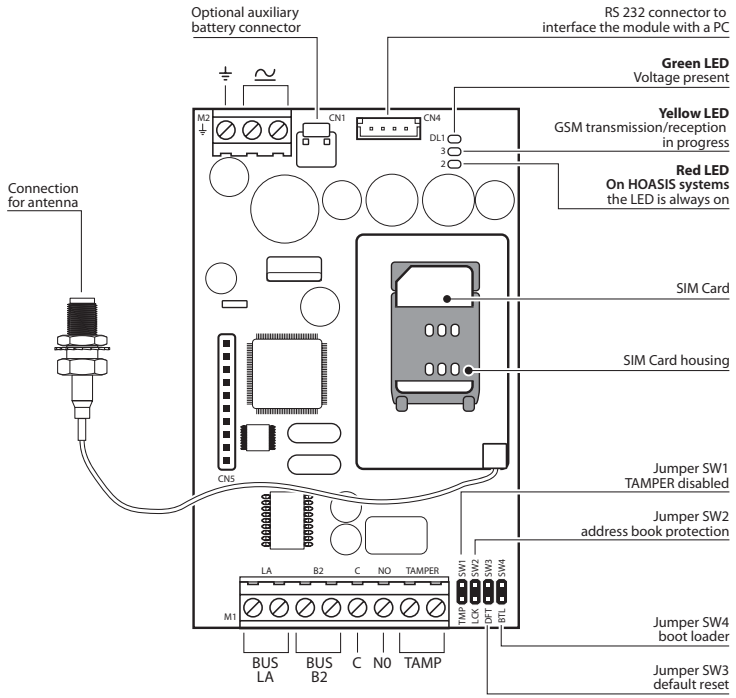


Fig.2

⚠ ATTENTION

If the module is installed inside metal containers, **use the optional antenna OH/ANT** by placing it outside the container as shown in figure 2.

Terminal boards and connections



Terminals		Meaning
M1	BUS - LA	Terminal board for Bpt BUS Hoasis connection
	BUS - B2	Terminal board for BUS B2 BRAHMS connection **(terminals not to be used in Hoasis systems)**
	C, NO	Relay contact 12V 1A (normally open)
	TAMP	Terminal board for TAMPER contact connection **(terminals not to be used in Hoasis systems)**
M2	⏚	Terminal board for earth connection
	≂	Terminal board for connection to power supply from power supplier
SW1	TMP	When the jumper is connected the tamper contact is disconnected
SW2	LCK	When the jumper is disconnected the address book cannot be modified via SMS
SW3	DFT	By powering the module without jumper the default configuration is reset
SW4	BTL	Boot-loader **(jumper reserved for the Technical Service not to be removed)**

Commissioning

⚠ ATTENTION

Before installing the module it is important to verify that there is an adequate radio receiving signal from the device in the area where the device needs to be installed.
To do this, simply insert the SIM in a mobile phone and check reception.

If reception is poor the device will have to be installed in another location with a better signal. BPT S.p.A. declines all liability in the event of:

- **failed transmission, failed reception, delayed transmission or delayed reception of SMS messages by the dialler, when these are due to the quality of the reception signal or to any other problem related to the mobile telephone operator's activities.**
- **charging cost on the dialler reamining SIM credit resulting from messages sent by the mobile telephone operator or from other services carried out by the mobile telephone operator.**

Once the module has been placed in the appropriate containers, as described in the previous pages, proceed as follows:

- Ensure voltage has been removed to the system.
- Connect the terminal ≂ of the **GSM** module to the transformer.
- Connect the dialler to the **BPT HOASIS** home automation system through the **BUS LA** terminal.
- Connect the **OH/B008** auxiliary battery to the appropriate connector (**CN1**).
- Connect the transformer to the electrical mains.
- Now restore voltage to the system.
- The lighting of the **green LED** indicates that the module is powered.
- The **yellow LED**, will remain on for a few seconds, during which the GSM device will verify mobile reception.
  If after a few seconds the **yellow LED** switches off the operation was successful. If, on the contrary, the **yellow LED** remains on this may indicate that there are GSM communication problems, related to reception failure or SIM registration (see chapter "Montaggio della SIM Card").
  Once the installation has been completed the **yellow LED** will flash only in case of data transmission/reception on the GSM network.

✎ **Note:**
In Hoasis systems the **red LED** blinks.

OH/GSM connection in a HOASIS system

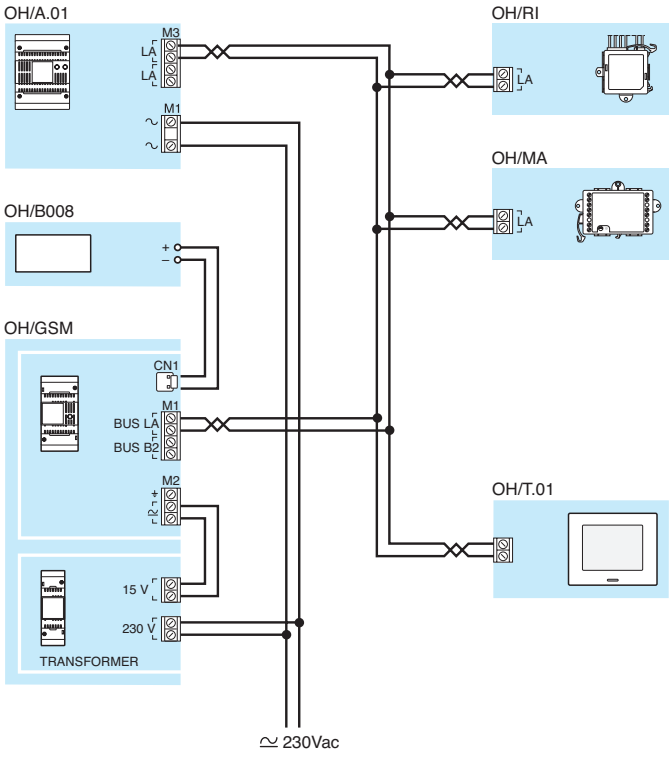


Fig. 3

The **OH/GSM** module is designed for connection to a 12V **OH/B008** battery that allows the transmission and reception of SMS messages in the event of an electrical power outage (Fig. 3).
With an OH/B008 battery a runtime of a few hours in reception and the transmission of approximately ten messages is guaranteed.

⚠ ATTENTION

Connect the BPT home automation BUS to the terminals LA, not to the terminals B2.

OH/GSM connection in a HOASIS system with OH/AS

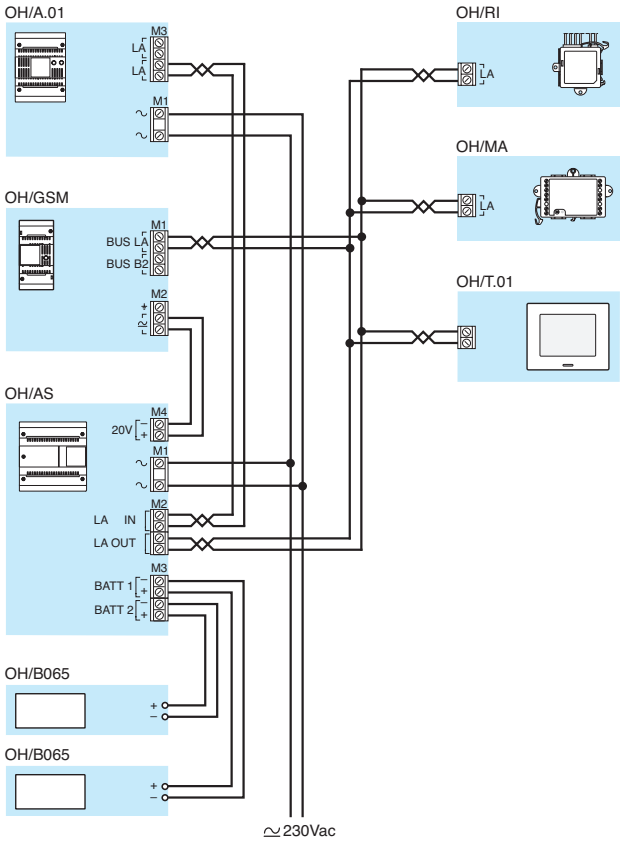


Fig. 4

If the **Hoasis** home automation system contains an **OH/AS** emergency power supply the output **20 V DC** of the power supplier will simply have to be connected to the input ≃ of the **OH/GSM** module (Fig. 4). With this setup, the **OH/B008** battery is not necessary as the runtime of the **OH/GSM** module is guaranteed by the **OH/B065** emergency batteries.

✎ **Note:**
The maximum connection distance from the **OH/A.01** or **OH/AS** power supply on the BPT BUS must not be higher than 100m. (For BPT Bus electrical characteristics see single module instructions).

OH/GSM connection to Bpt series TH programmable thermostats

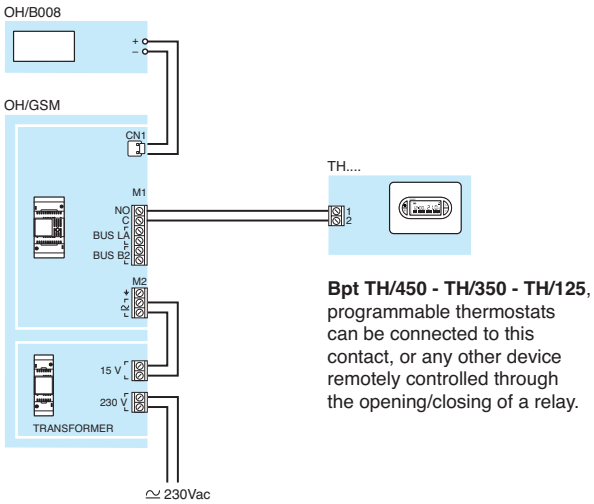


Fig. 7

The device is equipped with (terminals **C**, **NO** of terminal board **M1**) a normally open relay contact which can be used to activate **TH Bpt** thermal control systems designed for remote control (**TH/125 - TH/350 - TH/450**) or any other device designed for this purpose, controlled through the opening and closing of a contact.

Function	SMS sent by the User	Reply SMS to the User
Closing of the dialler auxiliary relay contact	RELE ON	RELE ON
Opening of the dialler auxiliary relay contact	RELE OFF	RELE OFF
Closing of the dialler auxiliary relay contact for three seconds for activation of Bpt programmable thermostats	RELE TH	RELE TH ON
Relay status request	STATO RELE	RELE ON RELE OFF

✎ **Note:**
The "**RELE TH**" command, sent to Bpt programmable thermostats, activates a specific programme. Refer to the programmable thermostats manuals for more details.

Programming of the dialler through programming software

In order to programme the module create the system structure through the programming software, acquire the GSM module identification code and proceed as follows.
Display the system structure by pressing the "**Plant structure**" menu.

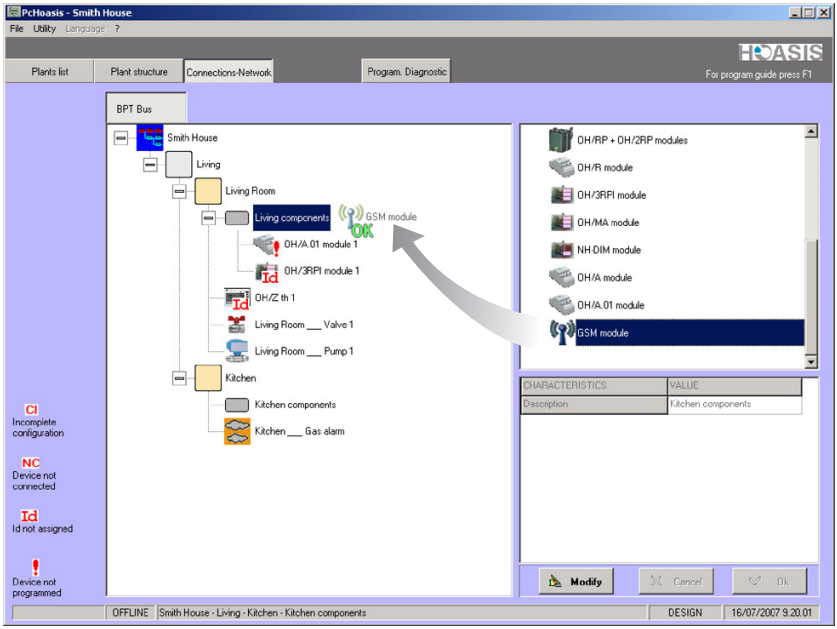


Fig. 7

In order to add the GSM dialler to the system, press "**Connections - Network**".
Select the "**GSM Module**" icon from the window containing the module list and drag it to the desired switchboard (fig. 7).
At this point, the identification code, previously acquired, must be assigned to the module; to do this, select the module icon, press "**Modify**" and associate ID to the module from the appropriate menu (fig. 8).

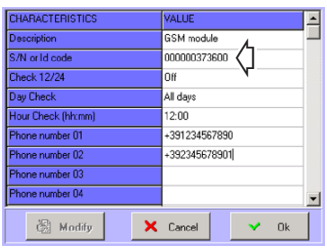


Fig. 8

ACTIVATE/DEACTIVATE INFORMATION ON SYSTEM STATUS (Check 12/24)

In order to receive information on the system status every 12 or 24 hours on your mobile phone proceed as follows.

Click on the drop-down menu "**Check 12/24**" (fig. 9) and choose to activate the system check every 12, 24 hours or select "**Off**" to deactivate this option; then choose the day on which the check is to be performed and the time in which the message is to be received.

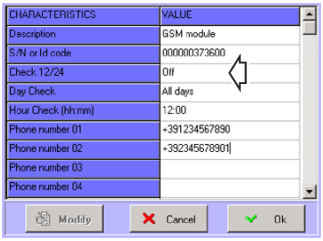


Fig. 9

By selecting 12 or 24, the GSM module will send a descriptive SMS on the system status to the first number in the address book every 12 or 24 hours , for example:

HOASIS: Network status ON, alarms OK, zone AUTO, temp. 20.0C

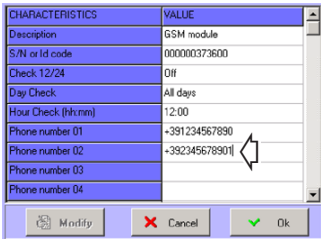


Fig. 10

✎ **Note:**

The information on the heat regulation, refers to the first one in the list of the dialler thermal zones.

CREATE AN ADDRESS BOOK (Phone number 01 - 10)

The following boxes are designed to contain the numbers (maximum 10) of the users that will use the GSM module services.

By simply clicking in the appropriate boxes it will be possible to enter the telephone numbers that will make up the address book (fig. 10).

⚠ ATTENTION

- Always enter the appropriate international dialling code before the numbers that are being added to the address book (+39 for Italy).
- The telephone numbers can contain up to 19 digits. In case of numbers containing more than19 digits and up to 24, it will be possible to programme the telephone numbers in the address book via SMS, as described in the following chapters.

SPECIAL TELEPHONE NUMBERS IN THE ADDRESS BOOK (Phone number 11)

Messages sent by a specific telephone number can be sent to the first number in the address book.

To do this, enter the number from which the messages are sent in box 11 of the address book.

This function can be used to allow the informational messages from the specific mobile telephone operator (for example information on the low credit status) to be sent to the first number in the address book; to do this it is necessary to know the number for "**Centro Servizi**" of the specific mobile telephone operator. This number can be obtained by contacting Customer Service.

For example:

Telecom Italia Mobile	+393359609600
	+393359608000
Vodafone Italia	+393492000200

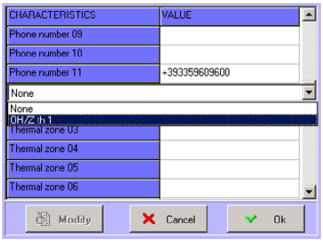


Fig. 11

THERMAL ZONES (Thermal zone 01 - 20)

Through the dialler it is possible to manage up to 20 thermal zones; to do this associate the thermal zones created through programming software to the specific boxes contained in the programming window of the GSM Module.
By simply clicking in the appropriate boxes it will be possible to choose one of the available Thermal Zones from a drop-down menu (Fig. 11).

TECHNICAL ALARMS (Alarm 01 - 06)

The GSM module can send a warning SMS in the event of an "Technical Alarm"; this alarm must be programmed first through programming software, as follows:
Display the system structure by pressing the menu "**Plant structure**"; select the entry "**Security**" on the left hand side of the screen and click on the icon "**Alarms**"; choose the icon of the alarm that

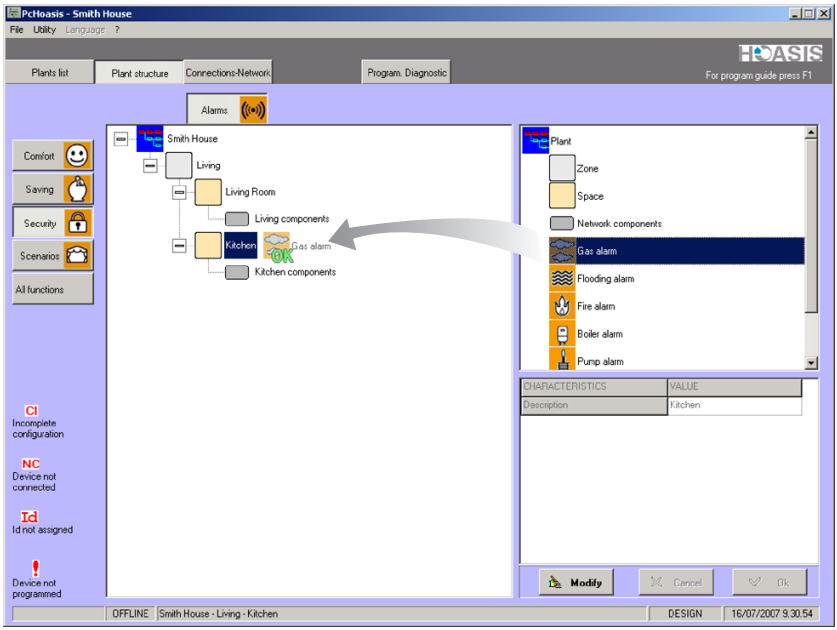


Fig. 12

needs to be inserted, from the list of alarms displayed on the right hand side of the screen, drag it inside the desired "**Space**" (fig. 12) and associate the created alarm to one of the inputs of the system.
Press "**Plant structure**", to return to the window displaying the system structure, select the icon for the GSM module and access the module programming window again by pressing "**Modify**". By clicking on one of the 6 boxes reserved for the alarms the programmed alarms will now be displayed in the list and it will be possible to associate them to the available 6 alarm boxes (fig. 13).

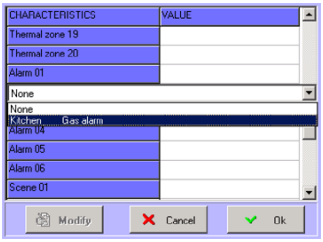


Fig. 13

SCENARIOS (Scene 01 - 16)

It is possible to activate, through the dialler, up to 16 scenarios; to do this, associate the scenarios created through programming software to the appropriate boxes contained in the GSM Module programming window. By clicking on one of the 16 "**Scenarios**" boxes on the programming window choose one of the available scenarios from the drop-down menu (fig. 14).

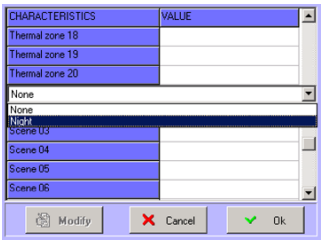


Fig. 14

Note:

- It is highly recommended (in order to make the use of the module easier for the User) to follow the sequence of "Thermal zone" and "Scene" that have been inserted on OH/T terminal.
- BPT declines all liability in case of transmission of SMS from the mobile telephone operator that decrease the dialler remaining SIM credit.
- The User can take note of the main programmed parameters for his own benefit and as a written reminder in case of future work on the system.

Programming of the dialler via SMS

The OH/GSM dialler allows remote control and signalling functions via the receipt and sending of SMS messages from and to the telephone numbers contained in the address book saved on the internal memory of the dialler itself.

Note: All the following settings can be programmed simply and intuitevely through the use of programming software by connecting the system to a PC through the OH/SW interface without SMS.

Important!

- Before starting programming the address book via SMS make sure that the jumper SW2 (LCK) is connected . With a disconnected jumper the programming of the address book can only be performed through programming software.
- It is **important to enter the appropriate international dialling** code before the numbers that are being saved in the address book (+39 for Italy) .
- The dialler, when purchased, can receive programming messages sent by any telephone number. It is therefore advisable, once the programming of the address book has been completed, to disconnect the jumper SW2.

CREATE AN ADDRESS BOOK

The address book can be easily created **via SMS messages** structured in such a way that they carry the information necessary for programming the module.
The address book **can contain up to10 telephone numbers**. Every programming SMS can send up to 5 numbers to the address book. These SMS messages must have the following structure:

SMS n°1

P	R	O	G	N	U	M	T	E	L	1	.	first telephone number	.	second telephone number	.

third telephone number	.	fourth telephone number	.	fifth telephone number	.

SMS n°2

P	R	O	G	N	U	M	T	E	L	2	.	sixth telephone number	.	seventh telephone number	.

eighth telephone number	.	ninth telephone number	.	tenth telephone number	.

Example

If the GSM dialler must send or receive messages to/from only two numbers, the address book programming message will have the follolwing structure:

P	R	O	G	N	U	M	T	E	L	1	.	+	3	9	3	4	7	1	2	3	4	5	6	7	.	+	3	9	3	3	3	3	4	5	6	7	8	9	.

Important!

The address book that is created via SMS will totally overwrite any pre-existing address book.

ADD A TELEPHONE NUMBER TO THE ADDRESS BOOK

If a telephone number needs to be added to the address book proceed as follows:

Example

If the address book contains 5 numbers, in order to add a sixth number, send the following message to the dialler:

MODNUMTEL(6)+393338888888.

This message overwrites a number in position 6 in the address book.

MODIFY A TELEPHONE NUMBER IN THE ADDRESS BOOK

If a telephone number in the address book needs to be modified proceed as follows:

Example

The message shown in the example allows to overwrite the number in position 2 of the address book with a new one that will have to be written after the text "MODNUMTEL(2)".

MODNUMTEL(2)+393335555555.

DELETION OF A TELEPHONE NUMBER IN THE ADDRESS BOOK

If a telephone number in the address book needs to be deleted proceed as follows:

Example

The message shown in the example allows to delete the number in position 5 of the address book leaving the same position in the address book empty; the message has the following syntax:

MODNUMTEL(5)_.

SPECIAL TELEPHONE NUMBERS IN THE ADDRESS BOOK

It is possible to allow the messages from a specific telephone number to be sent to the first number in the address book.

This function can be used to allow the informational messages from the specific mobile telephone operator (for example information on the credit) to be sent to the first number in the address book; to do this it is necessary to know the number for "Service Center" of the specific mobile telephone operator. This number can be obtained by contacting Customer Service.

The programming message will have the following syntax:

PROGNUMGES. **number for telephone operator service centre**.

In order to deactivate the function enter

PROGNUMGES.0.

FIND OUT YOUR REMAINING SIM CREDIT

In order to find out your remaining SIM credit a specifically structured SMS needs to be sent, depending on the specific telephone operator, preceded by the word "CREDIT".

Some operators, for example Telecom Italia Mobile, require a message consisting of text + number; in this case the message will have the following syntax:

CREDIT"PRE CRE SIN"4916.

Other operators, for example Vodafone Italia, require a simple number to be sent; in this case the message will have the following syntax:

C R E D I T 1 " C A L L " + 4 0 4 .

DEACTIVATE SMS RECEPTION BY A NUMBER IN THE ADDRESS BOOK

The default settings allow an event to be reported to all users through an SMS. However it is possible to prevent some numbers from receiving these messages.

Example

If you wish to prevent the fifth number in the address book from receiving SMS the programming message will have the following syntax:

P R O G S M S (5) O F F .

In order to reactivate SMS reception by the number the programming message will have the following syntax:

P R O G S M S (5) O N .

✎ **Note:**

It is possible to deactivate SMS reception by a certain number only through programming via SMS.

ACTIVATE/DEACTIVATE INFORMATION ON THE SYSTEM STATUS

It is possible to receive information on the system status on your mobile phone every 12 or 24 hours.

Example

If you wish to receive information on the system status every 12 hours the programming message will have the following syntax:

C H E C K (1 2) O N .

If you wish to receive information on the system status every 24 hours the programming message will have the following syntax:

C H E C K (2 4) O N .

In order to deactivate this function the programming message will have the following syntax:

C H E C K (1 2) O F F .

or

C H E C K (2 4) O F F .

✎ **Note:**

- BPT declines all liability in case of transmission of SMS sent by the mobile telephone operator that decrease the remaining credit on the dialler SIM.
- The User can take note of the main programmed parameters for his own benefit and as a written reminder in case of future work on the system.

User instructions

Commands performed by the User via SMS

The Users whose numbers have been inserted in the address book can, through SMS messages, remotely control their Hoasis home automation system or request information on the status of the system.

INSERT A SCENARIO

If (for example), during programming, through programming software, a scenario identified as "NIGHT", has been created, in order to activate that scenario an SMS with the following syntax will have to be sent to the dialler:

`SCENARIO "NIGHT"`

Once the command has been performed, the dialler will send a confirmation message to the user that has activated the scenario:

HOASIS: "NIGHT" on

CUSTOMISATION OF COMMANDS PERFORMED VIA SMS

The SMS messages that are sent to the GSM module can be customised, allowing them to be memorised and subsequently transmitted more easily, or written in a different language from the default one (Italian).

The customisation can be carried out using the SMS messages described in the coloumn highlighted in the table (**customised SMS sent by the User**), where in place of the word "Comment", a customised text can be added.

For instance, in order to activate the scenario "NIGHT" previously created through programming software the following SMS can be used:

`1<I WANT TO ACTIVATE THE SCENARIO>"NIGHT"`

that will receive the confirmation

HOASIS: "NIGHT" on

Or in order to find out the status of the system the following SMS can be sent:

`4<WHAT IS THE STATUS OF THE SISTEM?>`

that will receive the reply

Hoasis: Network status ON, alarms OK, zone AUTO, temp. 22,6C

REQUEST INFORMATION ON THE STATUS OF THE SYSTEM

In order to find out the general status of the system, send an SMS with the following syntax:

`STATO IMPIANTO`

A reply message will be received describing the status of the system, for example:

HOASIS: Network status ON, alarms OK, zone MAN, temp. 20,5C

Or it is possible to request information on the status of a specific "Thermal zone" previously created through programming software.
In the following example information is requested on a zone identified as "living room"
STATO CLIMA "LIVING ROOM"

A reply message will be received describing the status of the specific zone, for example:
Climate "living room" AUTO 20,8C

The following table shows a list of all possible messages that can be sent to the dialler in order to perform operations remotely or to receive information on the status of the system.

Function	SMS sent by the User	customised SMS sent by the User	Reply SMS to the User
Scenario activation	Scenario "scenario name"	1 <Comment> "scenario name"	HOASIS: "scenario name" on
Setting of thermal zone in AUTO mode	Clima "zona name" AUTO	2 <Comment> "zona name" AUTO	Climate "zona name" AUTO 23,5C
Setting of thermal zone in Manual mode for example at 20°C temperature	Clima "zona name" MAN.20.	2 <Comment> "zona name" MAN.20.	Climate "zona name" MANUAL 20.0C
Setting of thermal zone in OFF mode	Clima "zona name" OFF	2 <Comment> "zona name" OFF	Climate "zona name" OFF 23,2C
Thermal zone status request	Stato clima "zona name"	3 <Comment> "zona name"	Climate "zona name" AUTO/MANUAL/OFF 20,8C
System status request	Stato impianto	4 <Comment>	HOASIS: Network status ON, alarms OK, zona MAN, temp. 20,5C
Request for activation/de-activation of SMS on system status (every 12 or 24 hours)	Check (12/24) ON/OFF	5 <Comment> (12/24) ON/OFF	Check (12/24) ON/OFF

In SMS containing "**zona name**" or "**scenario name**", write the name of the thermal zone or scenario, **in exactly the same way as indicated in the programming software**.

✎ **Note:**
In the event of a text message requesting the system status or heating zone status, the controller will give a system or zone temperature between 10.0°C and 35.0°C even when the system or zone temperature is lower or higher than this interval. For example, if the temperature in the heating zone is 8.5°C, the controller will respond with a zone temperature of 10.0°C.

The device is equipped with a relay contact that can be used to activate TH Bpt thermal control systems designed for remote control (TH/125 - TH/350 - TH/450) or any other device designed for the same purpose, controlled through the opening or closing of a contact.

Function	SMS sent by the User	Reply SMS to the User
Closing of the dialler auxiliary contact relay	RELE ON	RELE ON
Opening of the dialler auxiliary contact relay	RELE OFF	RELE OFF
Closing of the dialler auxiliary contact relay for 3 seconds for activation of Bpt programmable thermostats	RELE TH	RELE TH ON
Relay status request	STATO RELE	RELE ON RELE OFF

✎ **Note:**
The "RELE TH" command, sent to Bpt programmable thermostats, activates a specific programme. For more details refer to the programmable thermostats manuals.

SMS MESSAGES FROM OH/GSM DIALLER

The dialler sends informational messages on the control unit status to the numbers contained in the address book.
For instance, in the event of a technical alarm, the dialler sends a message indicating the type of technical alarm occurred followed by the date and time of the event.
Messages on technical alarms and network outage and reset, will be sent to all numbers contained in the address book (max 10).

Informational SMS messages on "control unit status" sent by the dialler to the User	
Event	**SMS Message received**
Technical Alarm	Technical alarm "alarm name" <25-05-07><18:35>
Electrical power outage	Network Fault <28-05-07><19:35>
Electrical power reset	Reset Network <28-05-07><20:35>
System status (every 12/24 hours)	HOASIS: Network status ON, alarms OK, zone AUTO, temp. 20.0C

Furthermore, the dialler, if correctly programmed, will also send all messages from the telephone operator service centre to the first valid number in the address book, indicating the credit deadline.

FIND OUT YOUR REMAINING SIM CREDIT

In order to find out the remaining credit of your SIM it is necessary to send an SMS specifically structured depending on your telephone operator preceded by the word "CREDIT".
Some operators, for example Telecom Italia Mobile, require a message consisting of text + number;
the message will have the following syntax:

C	R	E	D	I	T	"	P	R	E		C	R	E		S	I	N	"	4	9	1	6	.

Other Operators, Vodafone Italia for example, require a simple number to be sent. The message will have the following syntax:

C	R	E	D	I	T	1	"	C	A	L	L	"	+	4	0	4	.

Note:

- Through SMS messages it is possible to perform only one command for each message (activate only one scenario, change the status of the thermal zone).
- The confirmation message, depending on the telephone operator, could take a few minutes.
- BPT declines all liability in case of transmission of SMS by the mobile telephone operator that decrease the dialler remaining SIM credit.
- If a message is sent by a number not present in the address book in order to activate one of the services the following reply will be received: ***Telephone number does not correspond to user.***
- The messages sent and received by the GSM will be automatically deleted to prevent the SIM card memory from running out.

Reminder of the Dialler settings

Reminder of the numbers saved in the address book and their location		
Position	Number	User name
01		
02		
03		
04		
05		
06		
07		
08		
09		
10		
11		*Mobile Telephone Operator "Service Center"*

Reminder "Thermal zone"	
N°	Zone name
01	
02	
03	
04	
05	
06	
07	
08	
09	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	

Reminder "Scenarios"	
N°	Scenario Name
01	
02	
03	
04	
05	
06	
07	
08	
09	
10	
11	
12	
13	
14	
15	
16	

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